

LISTING OF CLAIMS

1-11. (Canceled).

12. (Currently amended): A cosmetic composition which is an oil-in-water or water-in-oil emulsion comprising a mixture of poly- α -olefins poly- α -olefin oils produced by dehydrating polymerization at a temperature in the range of from 60 °C to 340 °C, in the presence of acidic alumino layer silicates, of at least one primary alcohol selected from the group consisting of

- a) unsaturated monofunctional alcohols;
- b) branched monofunctional alcohols; and
- c) difunctional alcohols,

wherein said mixture of poly- α -olefins produced by dehydrating polymerization provide provides a cosmetic composition having improved storage-stability with respect to viscosity, as well as storage stability with respect to and separation, versus the when compared to an analogous cosmetic composition comprising poly- α -olefins produced by homopolymerization of α -olefins.

13. (Previously presented): The cosmetic composition as claimed in claim 12, wherein the primary alcohol contains 6 to 72 carbon atoms.

14. (Previously presented): The cosmetic composition as claimed in claim 12, wherein the group b) alcohol comprises at least one alcohol selected from the group consisting of branched alcohols having

- b1) at least one methyl branch in the alkyl chain,
- b2) a C₂₋₁₈ branch in the alkyl chain and
- b3) a C₂₋₁₈ branch in the α -position to the terminal CH₂OH group.

15. (Previously presented): The cosmetic composition as claimed in claim 14, wherein said group b) alcohol comprises a Guerbet alcohol.

16. (Previously presented): The cosmetic composition as claimed in claim 12, wherein the group a) alcohol comprises a linear alcohol.

17. (Previously presented): The cosmetic composition as claimed in claim 12, wherein said at least one primary alcohol comprises a member selected from group b) or c) and said mixture of poly- α -olefins is hydrogenated after the dehydrating polymerization.

18. (Previously presented): The cosmetic composition as claimed in claim 12, wherein the composition is a member selected from the group consisting of a w/o or o/w emulsion.

19. (Previously presented): The cosmetic composition as claimed in claim 12, comprising 1 to 50% by weight of oil components.

20. (Previously presented): The cosmetic composition as claimed in claim 12, wherein said mixture of poly- α -olefins comprises from 0.1 % to 100% by weight of the total oil components of the composition.

21. (Previously presented): The cosmetic composition as claimed in claim 12, further comprising 0.1% to 20% by weight of a surface-active substance or a mixture of surface-active substances.

22. (Previously presented): The cosmetic composition as claimed in claim 13, wherein the group b) alcohol comprises at least one alcohol selected from the group consisting of branched alcohols having

- b1) at least one methyl branch in the alkyl chain,
- b2) a C₂₋₁₈ branch in the alkyl chain and
- b3) a C₂₋₁₈ branch in the α -position to the terminal CH₂OH group.

23. (Previously presented): The cosmetic composition as claimed in claim 14, wherein b1) has from 1 to 6 methyl branches in the alkyl chain.

24. (Previously presented): The cosmetic composition as claimed in claim 13, wherein the group a) alcohol comprises a linear alcohol.

25. (Previously presented): The cosmetic composition as claimed in claim 13, wherein said at least one primary alcohol comprises a member selected from group b) or c) and said mixture of poly- α -olefins is hydrogenated after the dehydrating polymerization.

Serial Number: 10/553,182

Filing Date: July 21, 2006

Title: Poly- α -Olefin-Containing Cosmetic Composition

26. (Previously presented): The cosmetic composition as claimed in claim 14, wherein said at least one primary alcohol comprises a member selected from group b) or c) and said mixture of poly- α -olefins is hydrogenated after the dehydrating polymerization.

27. (Previously presented): The cosmetic composition as claimed in claim 15, wherein said at least one primary alcohol comprises a member selected from group b) or c) and said mixture of poly- α -olefins is hydrogenated after the dehydrating polymerization.

28. (Previously presented): The cosmetic composition as claimed in claim 13, wherein the composition is a member selected from the group consisting of a w/o or o/w emulsion.

29. (Previously presented): The cosmetic composition of claim 12 containing from 5% to 40% by weight of oil components.

30-32. (Canceled):

33. (Previously presented): The cosmetic composition of claim 12 wherein said mixture of poly- α -olefins has a high spreading value of $>1000 \text{ mm}^2/10 \text{ min}$.

34. (Previously presented) The cosmetic composition of claim 12 wherein said at least one primary alcohol is selected from the group consisting of 2-ethylhexanol and isononanol.